

Serial No. 09/675,232
Response to Office Action Mailed October 28, 2004

Filed: September 29, 2000

Amendments to the Claims:

The listing of Claims will replace all prior versions and listings of the Claims in the application:

Listing of Claims

1.-12. (Canceled)

13. (Original) A method of providing a communication services architecture for a netcentric computing system, comprising:

sharing a communication services layer including communication services, communication security services, virtual resource services and directory services with at least one client and a web server;

transporting data between said client and said web server with a transport services layer that includes message transport services, packet forwarding/Internetworking services, circuit switching services, transport security services, network address allocation services and quality of service services; and

interconnecting said client with said web server with a network media services layer including media access services and physical media services.

14. (Original) The method of claim 13, wherein said communication services include core messaging services and specialized messaging services.

15. (Original) The method of claim 14, wherein said core messaging services transfer information from one application to another application in said netcentric computing system.

16. (Previously presented) The method of claim 14, wherein said core messaging services are selected from the group consisting of file transfer services, remote procedure call services, message-oriented services or streaming services, or combinations thereof.

17. (Previously presented) The method of claim 16, wherein said file transfer services are selected from the group consisting of file transfer protocol services, hyper-text transfer protocol services, secure hyper-text transfer protocol services or file transfer and access management services, or combinations thereof.

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18. (Previously presented) The method of claim 16, wherein said streaming services use a streaming protocol selected from the group consisting of real-time streaming protocol, real-time transport protocol and real-time control protocol.

19. (Previously presented) The method of claim 14, wherein said specialized messaging services are selected from the group consisting of E-mail messaging services, database access messaging services, object request broker messaging services, computer-telephone integration messaging services, electronic data interchange messaging services or legacy integration services, or combinations thereof.

20. (Previously presented) The method of claim 13, wherein said communication security services are selected from the group consisting of encryption services, identification/authorization services or access control services, or combinations thereof.

21. (Previously presented) The method of claim 20, wherein said identification/authentication services are selected from the group consisting of basic ID/authentication, ID/password encryption, digital certificates, digital signatures, hardware tokens, virtual tokens or biometric identification, or combinations thereof.

22. (Original) The method of claim 13, wherein said directory services include name services and domain services.

23. (Previously presented) The method of claim 13, wherein said virtual resource services are selected from the group consisting of fax services, file sharing services, paging services, phone services, terminal services, printing services or audio/video services, or combinations thereof.

24. (Previously presented) The method of claim 23, wherein said terminal services are selected from the group consisting of Telnet, 3270 emulation, tn3270, X Window System, remote control and rlogin.

25. (Original) A communication services architecture for a netcentric computing system, comprising:

- a web server connected with at least one client;
- a communication layer located on said client and said web server, wherein said communication layer includes a communication services layer and a transport layer;

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a communication fabric layer located on said client and said web server, wherein said communication fabric layer includes said communication services layer, said transport layer and a network media layer;

wherein said communication services layer includes communication services, communication security services, virtual resource services and directory services;

wherein said transport layer includes message transport services, packet forwarding/Internetworking services, circuit switching services, transport security services, network address allocation services and quality of service services and wherein said network media services; and

wherein said network media layer includes media access services and physical media services.

26. (Original) The communication services architecture of claim 25, wherein said communication services include core messaging services and specialized messaging services.

27. (Previously presented) The communication services architecture of claim 26, wherein said core messaging services are selected from the group consisting of file transfer services, remote procedure call services, message-oriented services or streaming services, or combinations thereof.

28. (Previously presented) The communication services architecture of claim 27 wherein said file transfer services are selected from the group consisting of file transfer protocol, hyper-text transfer protocol, secure hyper-text transfer protocol and file transfer or access management, or combinations thereof.

29. (Previously presented) The communication services architecture of claim 27, wherein said streaming services use a streaming protocol selected from the group of protocols consisting of real-time streaming protocol, real-time transport protocol and real-time control protocol.

30. (Previously presented) The communication services architecture of claim 26, wherein said specialized messaging services are selected from the group consisting of E-mail messaging services, database access messaging services, object request broker messaging services, computer-telephone integration messaging services, electronic data interchange messaging services or legacy integration messaging services, or combinations thereof.

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31. (Previously presented) The communication services architecture of claim 25, wherein said communication security services are selected from the group consisting of encryption services, identification/authentication services or access control services, or combinations thereof.

32. (Previously presented) The communication services architecture of claim 31, wherein said identification/authentication services are selected from the group consisting of basic ID/authentication, ID/password encryption, digital certificates, digital signatures, hardware tokens, or virtual tokens and biometric identification, or combinations thereof.

33. (Original) The communication services architecture of claim 25, wherein said directory services include name services and domain services.

34. (Previously presented) The communication services architecture of claim 25, wherein said virtual resource services are selected from the group consisting of fax services, file sharing services, paging services, phone services, terminal services, printing services or audio/video services, or combinations thereof.

35. (Previously presented) The communication services architecture of claim 34, wherein said terminal services are selected from the group consisting of Telnet, 3270 emulation, tn3270, X Window System, remote control and rlogin.